

REMARKS

Applicants' election without traverse of Group II claims (claims 1, 8 and 9) in a response filed on July 27, 2005 is hereby affirmed (applicants cancelled claims 2-7).

Claim Rejections – 35 U.S.C. §112, second paragraph

The Examiner queries whether the dose of energy in steps (d) and (e) in claim 1 is transmitted through the object, absorbed by the object, or is the energy initially applied to the object. It was held to be unclear whether the activated oxyacetylene is carried out by using the energy transmitted through the object to the image displayer.

In response to the Examiner's query, applicants have now amended claim 1 as follows:

step (d) was changed to read: "calibrating the optical change in the object transmitted through the object by x-rays to the dose of the energy corresponding to each position scan;

step (e) was changed to reads: "mapping the dose of the energy transmitted through the object, and

step (f) was changed to reads: "visually recording the summation of said 2-dimensional representations on an image display receiver using said energy transmitted through the object comprising a radiation activated metal salt of a crystalline, thermochromic polyacetylene having a conjugated structure uniformly distributed in a rigid or high density semi-solid matrix by a color alteration due to polymerization of the activated polyacetylene to provide a permanent, 3-dimensional image of the object in high spatial resolution."

To wit, regarding the energy and measurement of the energy, it is the transmitted energy through the object and not the energy absorbed by the object. The system of energy measurement gains support in the specification and examples. Accordingly, the measurement is carried out by using the energy transmitted through the object.

Based on the amendment and remarks, applicant's attorney respectfully requests allowance of the claims.

Respectfully submitted,

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